Project Title	Funding	Strategic Plan Objective	Institution
Social evaluation in infants and toddlers	$393,228	Q1.L.B	Yale University
Toward outcome measurement of anxiety in youth with autism spectrum disorders	$604,292	Q1.L.B	Yale University
Extraction of functional subnetworks in autism using multimodal MRI	$348,034	Q1.L.B	Yale University
Development of face processing in infants with autism spectrum disorders	$393,228	Q1.L.B	Yale University
Developmental social neuroscience in infants at-risk for autism	$180,621	Q1.L.C	Yale University
Neural markers of shared gaze during simulated social interactions in ASD	$416,250	Q2.Other	Yale University
Morphogenesis and function of the cerebral cortex	$393,228	Q2.Other	Yale University
Social brain networks for the detection of agents and intentions	$399,300	Q2.Other	Yale University
ACE Network: Multimodal developmental neurogenetics of females with ASD	$2,670,192	Q2.S.B	Yale University
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	$36,724	Q2.S.D	Yale University
Identification of candidate genes at the synapse in autism spectrum disorders	$168,245	Q2.S.G	Yale University
The roles of environmental risks and GEX in increasing ASD prevalence	$532,325	Q3.L.D	Yale University
Pivotal response treatment for infants at risk for ASD: A pilot intervention	$79,900	Q4.L.B	Yale University
4/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD	$168,533	Q4.L.C	Yale University
Functional analysis of rare variants in genes associated with autism	$146,625	Q4.S.B	Yale University
1/5-Randomized trial of parent training for young children with autism	$242,996	Q4.S.D	Yale University
Development of a novel biomarker test for autism risk screening	$363,789	Q1.S.A	Xen Biofluidx, Inc.
Allelic choice in Rett syndrome	$374,862	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Gene dosage imbalance in neurodevelopmental disorders	$662,379	Q1.S.E	Weis Center for Research - Geisinger Clinc
Role of neuronal migration genes in synaptogenesis and plasticity	$53,942	Q2.Other	Weill Cornell Medical College
Children with autism spectrum disorders in developing countries	$30,000	Q7.J	Wayne State University
fcMRI in infants at high risk for autism	$419,567	Q1.L.A	Washington University in St. Louis
Early quantitative characterization of reciprocal social behavior	$545,295	Q1.L.C	Washington University in St. Louis
Serotonin, autism, and investigating cell types for CNS disorders	$235,867	Q4.S.B	Washington University in St. Louis

Project Title	Funding	Strategic Plan Objective	Institution
Service transitions among youth with autism spectrum disorders	$203,915	Q6.L.B	Washington University in St. Louis
Multimedia tool for psychology graduate student ASD assessment training	$1	Q1.S.A	Virtual Reality Aids, Inc.
Neural economics of biological substrates of valuation	$364,716	Q1.L.C	Virginia Polytechnic Institute and State University
Psychobiological investigation of the socioemotional functioning in autism	$333,590	Q2.Other	Vanderbilt University Medical Center
Neurobehavioral investigation of tactile features in autism spectrum disorders	$161,107	Q2.Other	Vanderbilt University Medical Center
mTOR modulation of myelination	$178,659	Q2.S.D	Vanderbilt University Medical Center
Genetic and developmental analyses of fragile X mental retardation protein	$378,771	Q2.S.D	Vanderbilt University Medical Center
Predicting phenotypic trajectories in Prader-Willi syndrome	$294,904	Q2.S.D	Vanderbilt University Medical Center
Adaptive response technology for autism spectrum disorders intervention	$359,376	Q4.Other	Vanderbilt University Medical Center
Peers, play and performance to improve social interaction in autism	$234,000	Q4.Other	Vanderbilt University Medical Center
Neurobiological signatures of social dysfunction and repetitive behavior	$374,400	Q4.S.B	Vanderbilt University Medical Center
Modeling the serotonin contribution to autism spectrum disorders	$222,643	Q4.S.B	Vanderbilt University Medical Center
Risk and resiliency for youth with autism during the transition to adulthood	$142,194	Q6.S.A	Vanderbilt University Medical Center
Core D: Clinical Neuroscience Services	$200,547	Q7.Other	Vanderbilt University Medical Center
Core E: Participant Recruitment & Assessment Services	$269,520	Q7.Other	Vanderbilt University Medical Center
Core A: Administrative Services	$247,305	Q7.Other	Vanderbilt University Medical Center
Multisensory integration and temporal processing in autism	$44,080	Q4.S.C	Vanderbilt University
Executive function in children with typical and atypical language abilities	$493,697	Q2.Other	University of Wisconsin - Madison
Statistical word learning in children with language disorders	$29,355	Q2.Other	University of Wisconsin - Madison
Grammatical development in boys with fragile X syndrome and autism	$141,075	Q2.S.D	University of Wisconsin - Madison
Translational regulation of adult neural stem cells	$359,977	Q2.S.D	University of Wisconsin - Madison
Biological determinants of brain variation in autism	$652,672	Q2.S.G	University of Wisconsin - Madison
In vivo function of neuronal activity-induced MeCP2 phosphorylation	$277,792	Q3.S.J	University of Wisconsin - Madison

Project Title	Funding	Strategic Plan Objective	Institution
Testing direct effects of soy daidzein on fragile X phenotypes	$75,250	Q4.S.C	University of Wisconsin - Madison
Family outcomes in autism spectrum disorders	$527,329	Q5.Other	University of Wisconsin - Madison
Research Participation Core	$259,801	Q7.Other	University of Wisconsin - Madison
Electrophysiological response to executive control training in autism	$89,670	Q2.Other	University of Washington
Networked cortical responses to movement associated with ASD	$384,222	Q2.Other	University of Washington
2/3-Sequencing autism spectrum disorder extended pedigrees	$222,480	Q3.L.B	University of Washington
Next generation gene discovery in familial autism	$644,126	Q3.L.B	University of Washington
Sporadic mutations and autism spectrum disorders	$713,231	Q3.S.A	University of Washington
Preschool reading and language interventions for children with autism	$279,933	Q4.L.D	University of Washington
Longitudinal characterization of functional connectivity in autism	$182,352	Q2.L.A	University of Utah
The microstructural basis of abnormal connectivity in autism	$276,865	Q2.Other	University of Utah
1/3-Sequencing autism spectrum disorder extended pedigrees	$286,240	Q3.L.B	University of Utah
Development of face processing expertise	$339,118	Q2.Other	University of Toronto
Motor control and cerebellar maturation in autism	$157,148	Q2.Other	University of Texas Southwestern Medical Center
Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$415,385	Q2.S.D	University of Texas Southwestern Medical Center
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	$55,670	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of mGluR5 function and dysfunction in mouse autism models	$393,841	Q2.S.D	University of Texas Southwestern Medical Center
FOXP2-regulated signaling pathways critical for higher cognitive functions	$291,826	Q3.Other	University of Texas Southwestern Medical Center
Neuroligin function in vivo: Implications for autism and mental retardation	$373,032	Q4.S.B	University of Texas Southwestern Medical Center
Novel genetic models of autism	$415,328	Q4.S.B	University of Texas Southwestern Medical Center
Striatal synaptic abnormalities in models of autism	$381,600	Q4.S.B	University of Texas Southwestern Medical Center
Epidemiological research on autism in Jamaica - Phase II	$607,366	Q3.S.H	University of Texas Health Science Center at Houston
Animal model of speech sound processing in autism	$239,188	Q4.S.B	University of Texas at Dallas
Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders	$217,125	Q4.S.B	University of Tennessee Health Science Center

Project Title	Funding	Strategic Plan Objective	Institution
Biology of non-coding RNAs associated with psychiatric disorders	$430,144	Q2.Other	University of Southern California
Function and structure adaptations in forebrain development	$520,098	Q2.Other	University of Southern California
Non-coding RNAs in autism	$246,000	Q3.Other	University of Southern California
Cortical activation to faces and objects in infants at high-risk for ASD	$51,705	Q1.L.A	University of South Carolina
Predicting autism through behavioral and biomarkers of attention in infants	$34,688	Q1.L.A	University of South Carolina
Emergence and stability of autism in fragile X syndrome	$343,680	Q2.S.D	University of South Carolina
Taste, smell, and feeding behavior in autism: A quantitative traits study	$541,983	Q2.Other	University of Rochester
Auditory and integrative functions of the prefrontal cortex	$374,016	Q2.Other	University of Rochester
3/5-Randomized trial of parent training for young children with autism	$215,249	Q4.S.D	University of Rochester
3/5-Randomized trial of parent training for young children with autism	$65,595	Q4.S.D	University of Rochester
2/3-Multisite RCT of early intervention for spoken communication in autism	$350,924	Q4.S.F	University of Rochester
Engrailed targets and the control of synaptic circuits in Drosophila	$361,875	Q2.Other	University of Puerto Rico Medical Sciences Campus
Early social and emotional development in toddlers at genetic risk for autism	$354,246	Q1.L.A	University of Pittsburgh
Cognitive control of emotion in autism	$102,004	Q2.Other	University of Pittsburgh
Development of ventral stream organization	$137,338	Q2.Other	University of Pittsburgh
3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	$276,478	Q3.S.A	University of Pittsburgh
Adapting cognitive enhancement therapy for ASD	$211,536	Q4.Other	University of Pittsburgh
5/5-Randomized trial of parent training for young children with autism	$226,771	Q4.S.D	University of Pittsburgh
The impact of uncertainty in genome-wide testing for autism spectrum disorder	$200,000	Q1.S.E	University of Pennsylvania
Quantifiable markers of ASD via multivariate MEG-DTI combination	$257,169	Q2.L.B	University of Pennsylvania
Novel computational methods for higher order diffusion MRI in autism	$601,657	Q2.Other	University of Pennsylvania
Magnetoencephalographic studies of lexical processing and abstraction in autism	$291,317	Q2.Other	University of Pennsylvania
Autoimmunity against novel antigens in neuropsychiatric dysfunction	$307,200	Q2.S.A	University of Pennsylvania

Project Title	Funding	Strategic Plan Objective	Institution
Early life seizures disrupt critical period plasticity	$429,559	Q2.S.E	University of Pennsylvania
3/3-Sequencing autism spectrum disorder extended pedigrees	$153,600	Q3.L.B	University of Pennsylvania
Partners in Schools: A program for parents and teachers of children with autism	$47,114	Q5.L.A	University of Pennsylvania
Evaluating the effects of autism insurance mandates	$690,492	Q5.Other	University of Pennsylvania
Clinical algorithm for identifying adult autism	$240,000	Q6.S.C	University of Pennsylvania
Restricted repetitive behavior in autism	$391,678	Q1.L.B	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism	$2,391,469	Q2.L.A	University of North Carolina at Chapel Hill
Statistical analysis of biomedical imaging data in curved space	$313,376	Q2.Other	University of North Carolina at Chapel Hill
Regulation of spine morphogenesis by NrCAM	$213,120	Q2.Other	University of North Carolina at Chapel Hill
Effect of paternal age on mutational burden and behavior in mice	$177,600	Q2.Other	University of North Carolina at Chapel Hill
Neural circuits that regulate social motivation in autism	$150,542	Q2.Other	University of North Carolina at Chapel Hill
A longitudinal MRI study of brain development in fragile X syndrome	$549,582	Q2.S.D	University of North Carolina at Chapel Hill
Genome-wide identification of variants affecting early human brain development	$590,292	Q2.S.G	University of North Carolina at Chapel Hill
ACE Network: Study of Oxytocin in Autism to Improve Reciprocal Social Behaviors (SOARS-B)	$2,435,695	Q4.L.A	University of North Carolina at Chapel Hill
Brain Imaging Markers of Response to Intervention in Toddlers with Autism	$142,893	Q4.S.F	University of North Carolina at Chapel Hill
Autism in older adults: A pilot, descriptive study	$71,040	Q6.S.A	University of North Carolina at Chapel Hill
Mechanisms of motor skill learning in the fragile X mouse model	$292,423	Q2.S.D	University of Nebraska Medical Center
The Autism Impact Measure: A new tool for treatment outcome measurement	$1,355,047	Q1.L.B	University of Missouri
Evaluation of pupillary light reflex as biomarker of neurodevelopmental disorder	$226,289	Q1.S.A	University of Missouri
Molecular mechanisms of the synaptic organizer alpha-neurexin	$373,200	Q2.Other	University of Michigan
Novel candidate mechanisms of fragile X syndrome	$249,000	Q2.S.D	University of Michigan
Cerebellar modulation of frontal cortical function	$286,989	Q2.Other	University of Memphis
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	$305,280	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
The microRNA pathway in translational regulation of neuronal development	$340,304	Q2.S.D	University of Massachusetts Medical School

Project Title	Funding	Strategic Plan Objective	Institution
Atypical effects of reinforcement procedures in ASD	$250,000	Q4.Other	University of Massachusetts Medical School
Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds	$197,609	Q4.S.B	University of Massachusetts Medical School
Optimizing initial communication for children with autism	$333,168	Q4.S.G	University of Massachusetts Medical School
Contingency analyses of observing and attending in intellectual disabilities	$261,988	Q4.S.G	University of Massachusetts Medical School
A neural model of fronto-parietal mirror neuron system dynamics	$178,100	Q2.Other	University of Maryland, College Park
Prostaglandins and cerebellum development	$356,400	Q2.S.A	University of Maryland, Baltimore
Sensitive periods in cerebellar development	$32,941	Q2.S.A	University of Maryland, Baltimore
Foxp2 regulation of sex specific transcriptional pathways and brain development	$88,128	Q2.S.B	University of Maryland, Baltimore
Mechanisms of valproic acid-induced neurodevelopmental and behavioral defects	$302,269	Q3.S.J	University of Maryland, Baltimore
Anatomical and functional modularity of the cerebral cortex	$8,000	Q7.Other	University of Louisville
The use of interactive television in identifying autism in young children	$217,440	Q1.S.A	University of Kansas Medical Center
Peer-mediated ACC intervention for children with autism: effects on communication	$308,485	Q4.S.G	University of Kansas
Molecular dissection of calmodulin domain functions	$310,222	Q2.Other	University of Iowa
Wnt modulation as a treatment for autism spectrum disorders	$184,568	Q2.Other	University of Iowa
Synaptic phenotype, development, and plasticity in the fragile X mouse	$379,329	Q2.S.D	University of Illinois at Urbana Champaign
Early detection of pervasive developmental disorders	$924,542	Q1.S.A	University of Connecticut
Teaching skills to toddlers: A program for caregivers	$216,694	Q5.L.A	University of Connecticut
Neural synchronydysfunction of gamma oscillations in autism	$254,470	Q2.Other	University of Colorado Denver
Molecular mechanisms linking early life seizures, autism and intellectual disability	$313,576	Q2.S.E	University of Colorado Denver
Investigation of DUF1220 domains in human brain function and disease	$361,544	Q3.L.B	University of Colorado Denver
Training outpatient clinicians to deliver cognitive behavior therapy to children	$211,113	Q4.S.C	University of Colorado Denver
Effects of therapeutic horseback riding on children and adolescents with autism spectrum disorders	$285,797	Q4.S.C	University of Colorado Denver
Evaluating the time-dependent unfolding of social interactions in autism	$196,987	Q2.Other	University of Cincinnati

Project Title	Funding	Strategic Plan Objective	Institution
Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	$417,271	Q2.Other	University of California, San Francisco
4/4 The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	$759,778	Q3.S.A	University of California, San Francisco
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	$277,269	Q4.S.B	University of California, San Francisco
MRI studies of early brain development in autism	$468,100	Q1.L.A	University of California, San Diego
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	$292,221	Q1.L.A	University of California, San Diego
Early Identification of ASD: Translating eye Tracking into Practice	$387,500	Q1.S.B	University of California, San Diego
Kinetics of drug macromolecule complex formation	$687,969	Q2.Other	University of California, San Diego
Influence of attention and arousal on sensory abnormalities in ASD	$186,000	Q2.Other	University of California, San Diego
Development of the functional neural systems for face expertise	$461,095	Q2.Other	University of California, San Diego
The role of germline mutation and parental age in autism spectrum disorders	$743,939	Q3.S.C	University of California, San Diego
Wireless EEG system for training attention and eye movement in ASD	$214,722	Q4.Other	University of California, San Diego
Effectiveness and implementation of a mental health intervention for ASD	$627,203	Q5.L.A	University of California, San Diego
ACE Center: Neural assays and longitudinal assessment of infants at very high risk for ASD	$173,955	Q1.L.A	University of California, Los Angeles
Predicting the decline of social attention in infants at risk for autism	$179,388	Q1.L.A	University of California, Los Angeles
Validity of an anxious subtype in autism spectrum disorders	$53,270	Q1.L.B	University of California, Los Angeles
Neural predictors of language function after intervention in children with autism	$181,103	Q1.L.B	University of California, Los Angeles
Optogenetic treatment of social behavior in autism	$385,000	Q2.Other	University of California, Los Angeles
Cytoplasmic functions of Rbfox1, a candidate autism gene	$231,000	Q2.Other	University of California, Los Angeles
Investigation of sex differences associated with autism candidate gene, Cyfip1	$32,413	Q2.S.B	University of California, Los Angeles
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$145,757	Q2.S.D	University of California, Los Angeles
ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	$241,951	Q2.S.G	University of California, Los Angeles
ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	$178,857	Q2.S.G	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Parental age and schizophrenia susceptibility	$308,000	Q3.L.D	University of California, Los Angeles
Rapid phenotyping for rare variant discovery in autism	$661,281	Q3.S.A	University of California, Los Angeles
ACE Network: Autism Genetics, Phase II: Increasing representation of human diversity	$162,535	Q3.S.D	University of California, Los Angeles
ACE Network: Autism Genetics, Phase II: Increasing representation of human diversity	$3,005,916	Q3.S.D	University of California, Los Angeles
Epigenetic and transcriptional dysregulation in autism spectrum disorder	$748,775	Q3.S.J	University of California, Los Angeles
ACE Center: Augmenting language interventions for ASD: A translational approach	$269,087	Q4.L.A	University of California, Los Angeles
ACE Center: Targeting joint engagement in infants at risk for ASD: Integrating treatment with biomarkers	$269,695	Q4.L.B	University of California, Los Angeles
3/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD	$200,372	Q4.L.C	University of California, Los Angeles
Treatment of Autism Symptoms in Children (TASC): Initial RCT with active control	$369,600	Q4.Other	University of California, Los Angeles
Fast-as -new experimental medicine studies: Fast-fail trials in autism spectrum	$2,312,083	Q4.Other	University of California, Los Angeles
1/3-Multisite RCT of early intervention for spoken communication in autism	$515,167	Q4.S.F	University of California, Los Angeles
ACE Network: Adaptive interventions for minimally verbal children with ASD in the community	$2,546,852	Q4.S.G	University of California, Los Angeles
ACE Center: Research Education and Training Core	$220,437	Q7.K	University of California, Los Angeles
Fast-as -new experimental medicine studies: Fast-fail trials in autism spectrum	$172,388	Q7.Other	University of California, Los Angeles
ACE Center: Diagnostic and Recruitment Core	$225,220	Q7.Other	University of California, Los Angeles
ACE Center: Administrative Core	$199,003	Q7.Other	University of California, Los Angeles
ACE Center: Neuroimaging/Neurophysiology Core	$181,369	Q7.Other	University of California, Los Angeles
Integrative functions of the planum temporale	$432,343	Q2.Other	University of California, Irvine
BDNF and the restoration of synaptic plasticity in fragile X and autism	$449,134	Q2.S.D	University of California, Irvine
Cortactin and spine dysfunction in fragile X	$32,875	Q2.S.D	University of California, Irvine
Infants at risk of autism: A longitudinal study	$551,100	Q1.L.A	University of California, Davis
Electrophysiological correlates of cognitive control in autism	$127,805	Q1.L.B	University of California, Davis
Analyses of brain structure and connectivity in young children with autism	$222,933	Q1.L.B	University of California, Davis
Neurobehavioral Analysis Core	$130,658	Q1.S.B	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Development of a prospective video-based measure to identify ASD risk in infancy	$576,204	Q1.S.B	University of California, Davis
Amygdala connectivity in autism spectrum disorder	$52,580	Q2.L.A	University of California, Davis
The neural substrates of higher-level learning in autism	$221,760	Q2.Other	University of California, Davis
Typical and pathological cellular development of the human amygdala	$369,600	Q2.Other	University of California, Davis
Project 4: Calcium signaling defects in autism (Pessah/Lein)	$109,730	Q2.Other	University of California, Davis
Cellular density and morphology in the autistic temporal human cerebral cortex	$352,346	Q2.Other	University of California, Davis
Project 3: Immune environment interaction and neurodevelopment	$109,725	Q2.S.A	University of California, Davis
Language development in fragile X syndrome	$509,862	Q2.S.D	University of California, Davis
Genotype-phenotype relationships in fragile X families	$565,457	Q2.S.D	University of California, Davis
The role of MeCP2 in Rett syndrome	$344,213	Q2.S.D	University of California, Davis
Mechanism of UBE3A imprint in neurodevelopment	$7,869	Q2.S.D	University of California, Davis
Project 1: Epidemiology and the environment in autism (Hertz-Picciotto)	$158,613	Q3.L.D	University of California, Davis
The CHARGE study: childhood autism risks from genetics and the environment	$1,151,250	Q3.S.C	University of California, Davis
Autism risk, prenatal environmental exposures, and pathophysiologic markers	$1,759,913	Q3.S.C	University of California, Davis
Gestational metabolic conditions and autism	$77,000	Q3.S.H	University of California, Davis
Exploring interactions between folate and environmental risk factors for autism	$153,615	Q3.S.J	University of California, Davis
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	$338,560	Q3.S.J	University of California, Davis
Project 2: Perinatal epigenetic signature of environmental exposure	$105,416	Q3.S.J	University of California, Davis
Effects of chronic intranasal oxytocin	$526,020	Q4.S.B	University of California, Davis
ACE Network: Intervention effects of intensity and delivery style for toddlers with ASD	$3,118,971	Q4.S.D	University of California, Davis
Biological Analysis Core	$121,545	Q7.J	University of California, Davis
Interdisciplinary training for autism researchers	$250,479	Q7.K	University of California, Davis
Administrative Core/Leadership	$90,193	Q7.Other	University of California, Davis
Facility Core: Analytical and Environmental Chemistry	$110,972	Q7.Other	University of California, Davis
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	$316,453	Q2.Other	University of California, Berkeley

Project Title	Funding	Strategic Plan Objective	Institution
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$246,278	Q2.Other	University of California, Berkeley
Met signaling in neural development and circuitry formation	$230,032	Q2.Other	University of Arizona
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	$303,067	Q2.S.D	University of Alabama at Birmingham
Reversing BDNF impairments in Rett mice with TRPC channel activators	$256,375	Q4.S.B	University of Alabama at Birmingham
Comparative effectiveness of developmental-behavioral screening instruments	$680,452	Q1.S.B	Tufts Medical Center
Impact of SynGAP1 mutations on synapse maturation and cognitive development	$661,570	Q2.Other	The Scripps Research Institute - Florida
Cell adhesion molecules in CNS development	$515,850	Q2.Other	The Scripps Research Institute - California
2/5-Randomized trial of parent training for young children with autism	$204,169	Q4.S.D	The Ohio State University
The neurophysiology of sensory processing and multisensory integration in ASD	$437,684	Q2.Other	Syracuse University
NINDS comment: Disruption of Reelin biosynthesis by de novo missense mutations found in aut	$32,615	Q2.Other	State University of New York Upstate Medical Center
A monkey model of naturally occurring low sociability	$222,461	Q1.Other	Stanford University
Solid-state patch clamp platform to diagnose autism and screen for effective drug	$196,247	Q1.S.A	Stanford University
Structural and functional connectivity of large-scale brain networks in autism	$168,978	Q2.Other	Stanford University
Function of neurexins	$461,977	Q2.Other	Stanford University
Mathematical cognition in autism: A cognitive and systems neuroscience approach	$610,784	Q2.Other	Stanford University
Frontostriatal synaptic dysfunction in a model of autism	$52,190	Q2.Other	Stanford University
Role of neurexin in synapse formation and maintenance	$53,942	Q2.Other	Stanford University
Investigating the role of neurexin-1 mutation in autism using human induced neuro	$49,214	Q2.Other	Stanford University
Brain Systems Supporting Learning and Memory in Children with Autism	$173,607	Q2.Other	Stanford University
GABRB3 and placental vulnerability in ASD	$523,820	Q2.S.A	Stanford University
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	$337,091	Q2.S.D	Stanford University
Longitudinal MRI study of brain development in fragile X	$748,506	Q2.S.D	Stanford University
A neuroimaging study of twin pairs with autism	$599,326	Q2.S.G	Stanford University
The role of vasopressin in the social deficits of autism	$235,500	Q4.L.A	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Exploring the neuronal phenotype of autism spectrum disorders using induced pluri	$180,391	Q4.S.B	Stanford University
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$451,202	Q2.Other	Sloan-Kettering Institute for Cancer Research
Physiology of attention and regulation in children with ASD and LD	$327,380	Q2.Other	Seattle Children's Hospital
2/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD	$171,791	Q4.L.C	Seattle Children's Hospital
Multimodal imaging of social brain networks in ASD	$148,945	Q2.Other	San Diego State University
Linking local activity and functional connectivity in autism	$360,142	Q2.Other	San Diego State University
Developing the autism model of implementation for ASD community providers	$185,333	Q5.L.A	San Diego State University
Dissecting neural mechanisms integrating multiple inputs in C. elegans	$477,449	Q2.Other	Salk Institute for Biological Studies
Neuroactive steroid GABAA receptor positive modulators for fragile X syndrome	$162,500	Q4.Other	Sage Therapeutics, Inc.
Self-Regulation and Sleep in Children At Risk for Autism Spectrum Disorders	$249,000	Q2.S.E	Purdue University
Animal-assisted intervention for children with autism spectrum disorder	$57,383	Q4.L.D	Purdue University
A model integrated data management system for multi-disciplinary autism research	$346,748	Q7.H	Prometheus Research, LLC
Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	$248,999	Q2.Other	Princeton University
Developmental Disabilities Dentistry Online	$410,983	Q5.L.E	Praxis, Inc.
The effects of State and Federal insurance policies on quality of care for autism	$406,574	Q5.S.A	Pennsylvania State University
Do access barriers to autism care persist despite autism insurance mandate?	$273,622	Q5.S.A	Pennsylvania State University
Computational tools to analyze SNP data from patients with mental illness	$598,866	Q7.Other	Partek, Inc.
FMR 1-SLS: Improving fragile X diagnosis using amplification-free single locus ta	$149,176	Q1.S.B	Pacific Biosciences Of California, Inc.
Reducing barriers to autism care in Latino children	$179,521	Q1.S.C	Oregon Health & Science University
Characterizing mechanistic heterogeneity across ADHD and autism	$556,250	Q2.Other	Oregon Health & Science University
Computational characterization of language use in autism spectrum disorder	$692,911	Q2.Other	Oregon Health & Science University
Vicarious neural activity, genetic differences and social fear learning	$53,942	Q4.S.B	Oregon Health & Science University

Project Title	Funding	Strategic Plan Objective	Institution
To support the ongoing operations of NDAR by providing direction, management and	$635,431	Q7.H	Omnitec Solutions, Inc.
The flexibility of individuation and ensemble representation	$47,114	Q2.Other	Northwestern University
A family-genetic study of autism and fragile X syndrome	$593,966	Q2.S.D	Northwestern University
A family-genetic study of language in autism	$308,419	Q2.S.G	Northwestern University
Mechanisms of stress-enhanced aversive conditioning	$366,000	Q4.S.B	Northwestern University
Translational developmental neuroscience of autism	$167,187	Q1.L.B	New York University School of Medicine
Divergent biases for conspecifics as early markers for autism spectum disorders	$213,420	Q1.L.A	New York University
Translation, synchrony, and cognition	$375,588	Q2.S.D	New York University
Clinical and behavioral phenotyping of autism and related disorders	$1,954,272	Q1.L.B	National Institutes of Health
Pediatric brain imaging	$2,140,977	Q2.L.A	National Institutes of Health
Functional anatomy of face processing in the primate brain	$1,555,641	Q2.Other	National Institutes of Health
The cognitive neuroscience of autism spectrum disorders	$997,922	Q2.Other	National Institutes of Health
Learning and plasticity in the human brain	$392,666	Q2.Other	National Institutes of Health
Dysregulation of protein synthesis in fragile X syndrome	$1,089,880	Q2.S.D	National Institutes of Health
Neuroendocrine regulation of metabolism and neurocognition	$355,088	Q2.S.E	National Institutes of Health
Treatment of medical conditions among individuals with autism spectrum disorders	$488,568	Q2.S.E	National Institutes of Health
Neuroimmunologic investigations of autism spectrum disorders (ASD)	$162,856	Q2.S.F	National Institutes of Health
Genetic epidemiology of complex traits	$589,154	Q3.L.B	National Institutes of Health
Hypocholesterolemic autism spectrum disorder	$45,647	Q3.L.B	National Institutes of Health
Developing new statisical methods to detect variants involved in complex disease	$434,485	Q3.L.B	National Institutes of Health
Roles of oxytocin and vasopressin in brain	$1,496,471	Q4.S.B	National Institutes of Health
Studies of genetic and metabolic disorders, autism and premature aging	$1,446,354	Q4.S.B	National Institutes of Health
Office of the Scientific Director	$8,561,517	Q7.Other	National Institutes of Health
Neural basis of behavioral flexibility	$347,607	Q2.Other	Mount Sinai School of Medicine
Role of Sema7A in functional organization of neocortex	$366,120	Q2.S.D	Mount Sinai School of Medicine
Population-based autism genetics & environment study	$600,532	Q3.L.D	Mount Sinai School of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
ACE Network: Multigenerational FamIlial and Environmental Risk for Autism (MINERvA) Network	$948,404	Q3.L.D	Mount Sinai School of Medicine
1/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	$817,786	Q3.S.A	Mount Sinai School of Medicine
Piloting treatment with insulin-like growth Factor-1 in Phelan-McDermid syndrome	$366,363	Q4.L.A	Mount Sinai School of Medicine
Identifying therapeutic targets for autism using Shank3-deficient mice	$466,151	Q4.S.B	Mount Sinai School of Medicine
Time Perception and Timed Performance in Autism	$248,938	Q2.Other	Michigan State University
Autism spectrum disorder: Birth cohort 1976-2000, epidemiology and adult status	$542,540	Q6.Other	Mayo Clinic
Imaging signal transduction in single dendritic spines	$449,208	Q2.Other	Max Planck Florida Corporation
Impairments of theory of mind disrupt patterns of brain activity	$308,160	Q2.Other	Massachusetts Institute of Technology
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	$49,214	Q2.Other	Massachusetts Institute of Technology
Shank3 in synaptic function and autism	$385,200	Q2.Other	Massachusetts Institute of Technology
Brain bases of language deficits in SLI and ASD	$583,471	Q2.Other	Massachusetts Institute of Technology
Using Drosophila to characterize the molecular pathogenesis of autism	$234,000	Q2.Other	Massachusetts Institute of Technology
Functional connectivity substrates of social and non-social deficits in ASD	$719,629	Q2.Other	Massachusetts General Hospital
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
The genomic bridge project (GBP)	$158,206	Q2.S.G	Massachusetts General Hospital
Complex genetic architecture of chromosomal aberrations in autism	$92,917	Q3.L.B	Massachusetts General Hospital
In utero antidepressant exposures and risk for autism	$343,560	Q3.S.H	Massachusetts General Hospital
Study of health outcomes in children with autism and their families	$496,440	Q2.Other	Lewin Group, Inc.
Software to enrich the noun lexicons and lexical learning of children with autism	$757,099	Q4.L.D	Laureate Learning Systems, Inc.
Autism: Social and communication predictors in siblings	$723,431	Q1.L.A	Kennedy Krieger Institute
EEG-based assessment of functional connectivity in autism	$175,176	Q2.Other	Kennedy Krieger Institute
3/3-Multisite RCT of early intervention for spoken communication in autism	$442,594	Q4.S.F	Kennedy Krieger Institute
Prenatal and neonatal biologic markers for autism	$725,197	Q3.S.C	Kaiser Foundation Research Institute
Dynamic regulation of Shank3 and ASD	$604,587	Q2.Other	Johns Hopkins University

Project Title	Funding	Strategic Plan Objective	Institution
High throughput screen for small molecule probes for neural network development	$388,800	Q2.Other	Johns Hopkins University
Dysfunction of sensory inhibition in autism	$258,134	Q2.Other	Johns Hopkins University
Olfactory abnormalities in the modeling of Rett syndrome	$339,270	Q2.S.D	Johns Hopkins University
Environment, the perinatal epigenome, and risk for autism and related disorders	$1,400,550	Q3.S.J	Johns Hopkins University
Electronic location reporting for individuals with cognitive disabilities	$704,478	Q4.S.H	Intellispeak, LLC
1/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD	$1	Q4.L.C	Indiana University-Purdue University Indianapolis
4/5-Randomized trial of parent training for young children with autism	$221,569	Q4.S.D	Indiana University-Purdue University Indianapolis
A network approach to the prediction of autism spectrum disorders	$176,592	Q1.L.A	Indiana University
Investigating brain connectivity in autism at the whole-brain level	$232,307	Q2.Other	Indiana University
Bayesian variable selection in generalized linear models with missing variables	$229,953	Q2.Other	Hunter College (City University of New York)
Cell specifIc genomic imprinfing during cortical development and in mouse models	$308,216	Q3.S.J	Harvard University
A novel essential gene for human cognitive function	$47,232	Q2.S.D	Harvard Medical School
Analysis of MEF2 in cortical connectivity and autism-associated behaviors	$49,214	Q2.S.D	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis	$503,306	Q2.S.G	Harvard Medical School
The social brain in schizophrenia and autism spectrum disorders	$498,431	Q2.Other	Hartford Hospital
Novel metabolic biomarker for autism spectrum disorder	$121,557	Q1.S.E	Greenwood Genetic Center
2013 Cerebellum Gordon Research Conference	$25,000	Q7.K	Gordon Research Conferences
Vasopressin receptor polymorphism and social cognition	$310,085	Q2.Other	Georgia State University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$371,791	Q2.Other	Georgetown University
Molecular mechanisms of electrical synapse formation in vivo	$90,000	Q2.Other	Fred Hutchinson Cancer Research Center
Intersensory perception of social events: Typical and atypical development	$134,355	Q1.L.C	Florida International University
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	$137,605	Q2.Other	Florida International University
Therapy management software for naturalistic model-based behavioral interventions	$347,991	Q4.S.C	Experiad, LLC.

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ACE Center: The ontogeny of social vocal engagement and its derailment in autism	$159,324	Q1.L.A	Emory University
Perception of social and physical contingencies in infants with ASD	$301,268	Q1.L.B	Emory University
ACE Center: Predicting risk and resilience in ASD through social visual engagement	$226,068	Q2.L.B	Emory University
Behavioral and neural processing of faces and expressions in nonhuman primates	$334,541	Q2.Other	Emory University
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$304,370	Q2.Other	Emory University
Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	$30,912	Q2.S.D	Emory University
ACE Center: Changing developmental trajectories through early treatment	$642,931	Q4.L.D	Emory University
The effects of intranasal oxytocin on social cognition and neural activity	$421,790	Q4.S.A	Emory University
Oxytocin receptors and social behavior	$422,748	Q4.S.B	Emory University
Characterization of the schizophrenia-associated 3q29 deletion in mouse	$528,118	Q4.S.B	Emory University
A novel translational model of autism spectrum disorder	$267,750	Q4.S.B	Emory University
Training in translational social neuroscience	$98,163	Q4.S.B	Emory University
ACE Center: Research Training and Education Core	$48,686	Q7.K	Emory University
ACE Center: Clinical Assessment Core	$292,879	Q7.Other	Emory University
ACE Center: Data Management and Analysis Core	$40,386	Q7.Other	Emory University
Verbal/non-verbal asynchrony in adolescents with high-functioning autism	$402,978	Q2.Other	Emerson College
Analysis of Shank3 complete and temporal and spatial specific knockout mice	$408,192	Q2.Other	Duke University
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	$297,527	Q2.Other	Duke University
The striatal circuitry underlying autistic-like behaviors	$31,975	Q2.Other	Duke University
Animal model of genetics and social behavior in autism spectrum disorders	$658,361	Q2.S.G	Duke University
Presynaptic Fragile X Proteins	$249,000	Q2.S.D	Drexel University
Early autism risk longitudinal investigation (EARLI) network	$411,571	Q3.L.A	Drexel University
The impact of Pten signaling on neuronal form and function	$375,706	Q2.Other	Dartmouth College
Supporting teens with autism on relationshiPS	$270,180	Q6.L.A	Danya International, Inc.

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Transcriptional control of inhibitory synapse formation	$353,295	Q2.Other	Dana-Farber Cancer Institute
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$401,927	Q2.S.D	Dana-Farber Cancer Institute
Assessment of glutamate delta-1 receptor in mental disorders	$218,250	Q2.Other	Creighton University
Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism	$183,568	Q2.S.A	Columbia University
Phagocytosis is misregulated in a Drosophila model of Fragile X syndrome	$47,232	Q2.S.D	Columbia University
Novel statistical methods for DNA sequencing data, and applications to autism	$314,312	Q3.L.B	Columbia University
Assisted reproductive technologies and increased autism risk	$192,000	Q3.L.C	Columbia University
Gene-environment interactions in an autism birth cohort	$6,537,537	Q3.L.D	Columbia University
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	$448,320	Q2.Other	Cold Spring Harbor Laboratory
Astrocyte function in genetic mouse models of autism spectrum disorders	$394,063	Q2.S.D	Cleveland Clinic Lerner College of Medicine, Case Western Reserve University
Pragmatics and semantics in autism spectrum disorder	$27,487	Q2.Other	City University of New York Graduate School and University Center
The neural bases of top-down attentional control in autism spectrum disorders	$27,578	Q2.Other	City College of New York
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	$396,897	Q2.S.E	Cincinnati Children's Hospital Medical Center
Optimization of fidelity procedures for pivotal response training in autism	$186,772	Q5.L.A	Children's Hospital Research Center
Testing the hyperspecificity hypothesis: A neural theory of autism	$189,836	Q2.Other	Children's Hospital of Philadelphia
Structural and functional neuroimaging of the auditory system in autism	$157,938	Q2.Other	Children's Hospital of Philadelphia
Functional connectivity in autism spectrum disorders	$251,250	Q2.Other	Children's Hospital of Philadelphia
Phenotypic characterization of MECP2 mice	$64,742	Q2.S.D	Children's Hospital of Philadelphia
An open resource for autism iPSCs and their derivatives	$545,118	Q7.D	Children's Hospital of Orange County
Parenting your young child with autism: A web-based tutorial	$435,651	Q5.L.A	Center for Psychological Consultation
National Database on Autism Research	$44,000	Q7.H	Center for Information Technology
Assessing interactive avatars for use with children with autism	$72,883	Q4.Other	Carnegie Mellon University
Intelligent data capture and assessment technology for developmental disabilities	$721,082	Q1.S.B	Caring Technologies, Inc.

Project Title	Funding	Strategic Plan Objective	Institution
Intelligent data capture and assessment technology for developmental disabilities	$322,828	Q1.S.B	Caring Technologies, Inc.
The computational basis of theory of mind in the human brain	$130,695	Q2.Other	California Institute of Technology
Investigating the gut microbiome for novel therapies and diagnostics for autism	$558,136	Q3.S.I	California Institute of Technology
Genetic-imaging study of obsessive compulsive behavior in autism	$360,826	Q2.Other	Brown University
Development of vision and attention in typical and ASD individuals	$305,682	Q2.S.G	Brown University
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	$483,807	Q3.S.A	Broad Institute, Inc.
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$325,130	Q2.Other	Brandeis University
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	$27,814	Q2.Other	Brandeis University
Neurobehavioral research on infants at risk for SLI and autism	$588,872	Q1.L.A	Boston University
The effects of autism on the sign language development of deaf children	$53,942	Q2.Other	Boston University
Artifacts as windows to other minds: Social reasoning in typical and ASD children	$49,214	Q2.Other	Boston University
ACE Center: Inter-regional connectivity in the speech network of minimally verbal children	$376,136	Q4.S.G	Boston University
ACE Center: Research, training and education	$111,353	Q7.K	Boston University
ACE Center: Administration and data management	$226,572	Q7.Other	Boston University
Neonatal biomarkers in extremely preterm babies predict childhood brain disorders	$3,655,744	Q3.S.H	Boston Medical Center
ACE Network: Early biomarkers of autism spectrum disorders in infants with tuberous sclerosis	$2,604,574	Q1.L.A	Boston Children's Hospital
EEG complexity trajectory as an early biomarker for autism	$208,800	Q1.L.A	Boston Children's Hospital
MRI biomarkers of patients with tuberous sclerosis complex and autism	$720,276	Q2.S.D	Boston Children's Hospital
Mechanisms Underlying the Cerebellar Contribution to Autism in Mouse Models of Tu	$190,458	Q2.S.D	Boston Children's Hospital
Autism genetics: Homozygosity mapping and functional validation	$150,000	Q3.L.B	Boston Children's Hospital
Autism genetics: Homozygosity mapping and functional validation	$735,107	Q3.S.A	Boston Children's Hospital
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$367,304	Q2.S.D	Beth Israel Deaconess Medical Center

Project Title	Funding	Strategic Plan Objective	Institution
Neurobiology of aggression co-morbidity in mouse model of idic15 autism	$261,000	Q2.S.E	Beth Israel Deaconess Medical Center
Mutations associated with carnitine deficiency: risk factor for regression in ASD	$78,650	Q2.S.F	Baylor College of Medicine
High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	$39,432	Q2.S.G	Baylor College of Medicine
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	$587,398	Q3.S.J	Baylor College of Medicine
Enabling use of blood spot cards for accurate high throughput Fragile X screening	$1,142,346	Q1.S.A	Asuragen, Inc.
Sensory processing and integration in autism	$524,517	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Modeling 5-HT-absorbing neurons in neuropathology of autism	$200,400	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	$240,480	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Monoallelic expression in neurons derived from induced pluripotent stem cells	$404,100	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Dysregulation of mTOR signaling in fragile X syndrome	$467,760	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University